

Cassette Tape Recorder



MINISETTE 14

OWNER'S MANUAL

PLEASE READ BEFORE
USING THIS EQUIPMENT

REALISTIC®

CUSTOM MANUFACTURED FOR RADIO SHACK,
A DIVISION OF TANDY CORPORATION

**CAT. NO.
14-1024**

Your REALISTIC MINISETTE 14 is a compact recorder with a built-in sensitive condenser microphone.

Although small in size, the MINISETTE 14 is big in performance. The built-in condenser mic makes this Recorder ideal for dictation, taking notes, conference meetings and other applications that require a sensitive microphone pick up.

Your MINISETTE 14 is powered by batteries or external adapters. It has a 6-volt DC jack, so you can use it with standard AC power or even in your automobile. (Adapters are available at your local Radio Shack.)

Other useful features include:

- RECORD/BATTERY Indicator tells you if the batteries need replacement.
- Digital Tape Counter lets you quickly return to any spot on the cassette you desire.
- Built-in Automatic Level Control automatically adjusts recording level for perfect recordings every time.
- PAUSE Button allows you to temporarily stop in either play or record mode without disengaging either function.
- Cue and Review Function allows you to locate a desired portion of the tape easily. In the PLAY mode, you can instantly review or cue the tape, while listening to the sound simultaneously.

SPECIFICATIONS

Tape System	2-track, monophonic cassette
Tape Speed	1-7/8 ips (4.75cm/sec.)
Wow & Flutter	0.3% (WRMS)
Signal-to-Noise Ratio	35 dB
Circuit	2 integrated circuit 1 transistor 2 diodes, 1 LED
Erase System	magnet
Record System	AC bias
Power Requirements	
	4 size AA Penlight batteries (6 volts DC). Or may be powered from 120 volts (or 240V) AC with 273-1454 AC adapter [use 14-9854 (UK) or 14-9521 (Australia) for 240V AC], or from a vehicle's cigarette lighter socket with 14-844D, DC auto adapter.
Size	1-3/16" x 6-1/4" x 4-7/16" (46 x 159 x 113 mm)
Weight	1-1/4 Lbs. (without batteries) (570g)

RADIO SHACK LIMITED WARRANTY

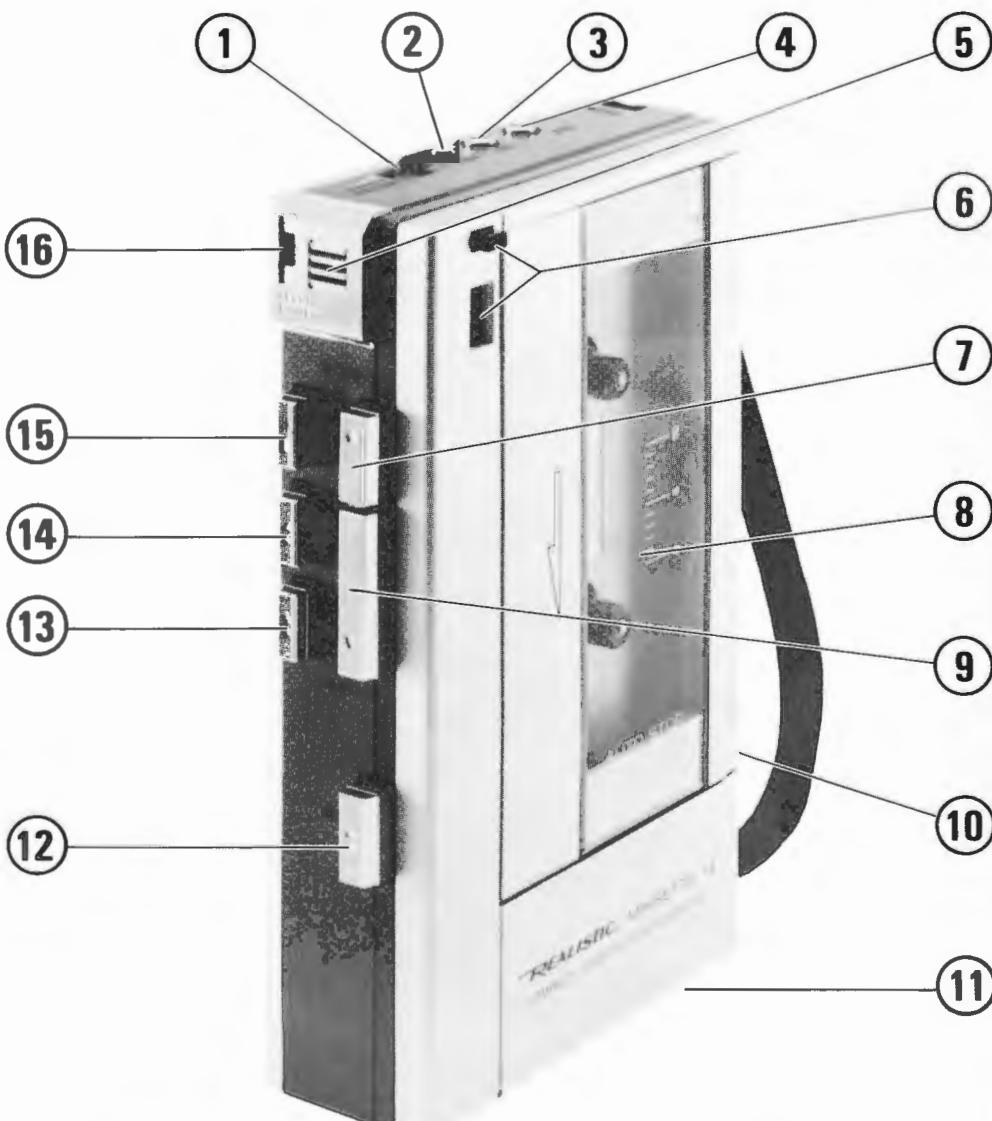
This product is warranted against defects for 90 days from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply bring your **Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

EXCEPT AS PROVIDED HEREIN, RADIO SHACK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties, therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

We Service What We Sell

CONTROLS



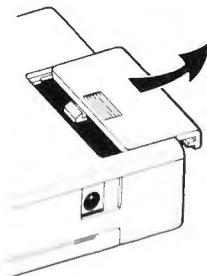
1. VOLUME control
2. REMote control jack
3. MICrophone jack
4. EARphone jack
5. Built-in microphone
6. Tape Counter and Reset button
7. RECORD button
8. Cassette compartment

9. PLAY button
10. DC 6V jack (on the right side)
11. Battery compartment (on the bottom)
12. PAUSE button
13. FAST Forward/CUE button
14. REWind/REVIEW button
15. STOP/EJECT button
16. RECORD BATTERY indicator

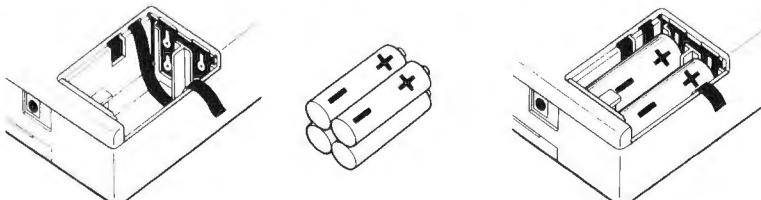
PREPARING FOR USE

To Operate from Batteries

1. Open the battery compartment cover by sliding it off.



2. Insert 4 AA-size batteries.
Observe proper battery polarity as shown.



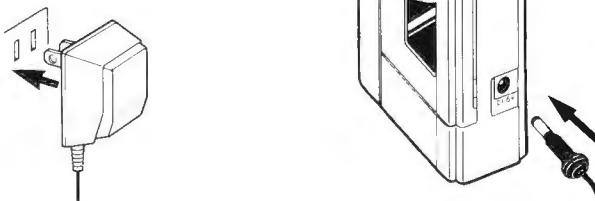
3. Close the battery compartment cover.

Check the condition of the batteries during the record function by pressing the RECORD button with an unrecorded cassette inserted. If the red LED fails to light (or lights dimly), it is time for new batteries.

CAUTION: Never leave weak or dead batteries in your unit; even "leak-proof" types can leak damaging chemicals.

To Operate from an AC Adapter

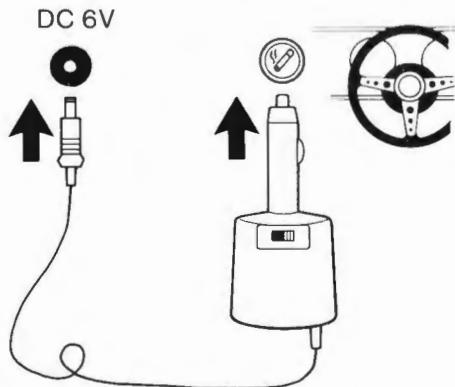
You can use your MINISETTE 14 anywhere standard volt AC power is available, and thus save the batteries. Just obtain an AC adapter from your local Radio Shack store. (See page 3 for adapter catalog number.) Insert the plug into the DC 6V jack on the right side of your Recorder and plug the adapter into a source of AC power.



When you are using an adapter, the internal batteries are disconnected automatically.

To Operate in Your Car

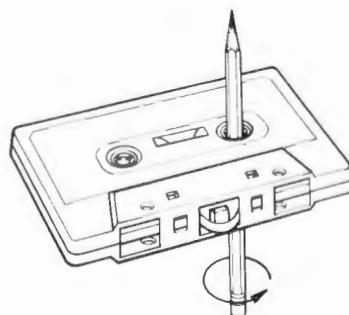
You can use the MINISETTE 14 in your vehicle (or boat), too — providing it has a 12 volt, negative ground system and a cigarette lighter. Use Radio Shack's catalog number 14-844D, DC auto adapter. Plug one end into DC 6V jack on the right of your MINISETTE 14, set the voltage switch on the adapter to 6 volts and plug the other end into the cigarette lighter socket.



Note: Center terminal of DC 6V jack has negative polarity and the outside has positive polarity. If you use an adapter other than recommended above, be sure to observe correct polarity.

Checking the Cassette Tape

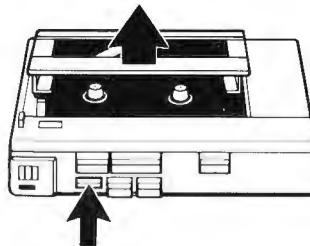
Before inserting the cassette, take up any slack in the tape with a pencil. Avoid touching the tape. Unless the tape is tight, it may wind around the head mechanism and trouble may result.



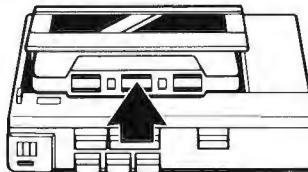
OPERATION

To Play Tapes

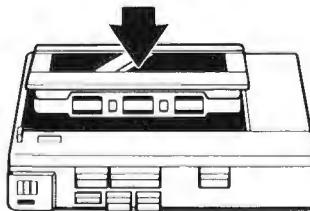
1. Press the STOP/EJECT button to open the cassette compartment door.



2. Press a cassette gently in place, with the full reel to the left, the side to be played facing upward, the exposed tape toward you.



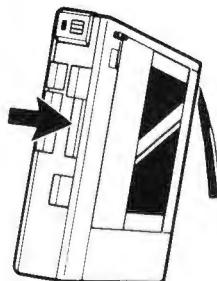
3. Close the cassette compartment door.



4. Press the counter reset button to set the counter to "000."



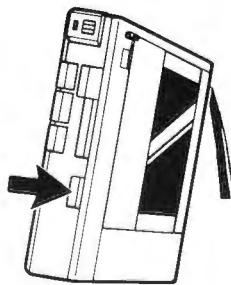
5. Press the PLAY button. The recorder plays the cassette automatically.



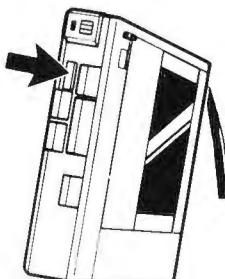
6. Adjust the VOLUME control to your desired listening level.



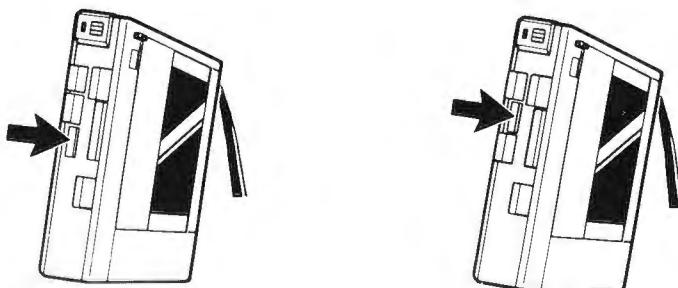
7. Press the PAUSE button to pause while playing back.



8. Press the STOP/EJECT button to stop playing back. If the end of the tape is reached while playing back, the unit stops automatically.

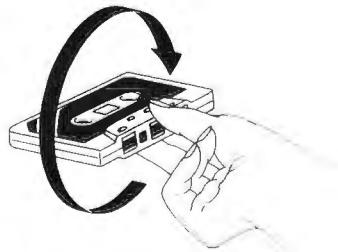


Press and hold FAST Forward/CUE button to advance tape rapidly. To rewind tape, press and hold REWind/REVIEW button.



The built-in auto-stop feature automatically stops tape movement and turns the unit off at the end of the tape in play and record operation. Press the STOP/EJECT button to remove the cassette.

The cassette has two sides for playing (or recording); when one side is complete, stop the mechanism, eject the cassette and turn it over. Then you can play (or record) the other side.

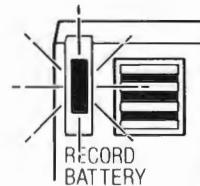
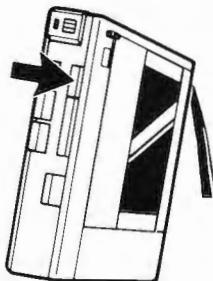


To Record from the Built-in Condenser Microphone

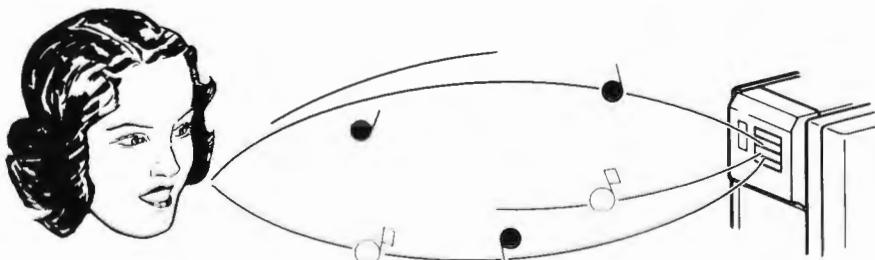
CAUTION:

Be sure nothing is plugged into the MICrophone jack on the top of the unit.

1. Insert a blank cassette and press the counter reset button to set the counter to "000."
2. Press the RECORD button. The PLAY button will move down simultaneously and then the RECORD/BATTERY indicator will light.



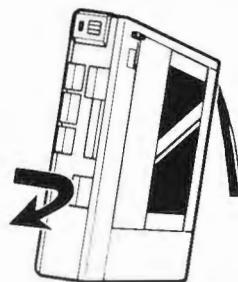
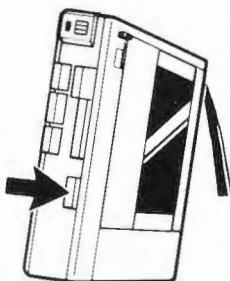
3. Talk normally into the built-in microphone. Now you are recording.



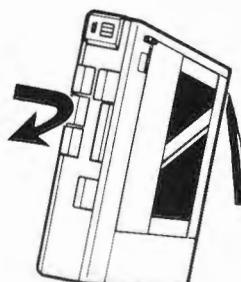
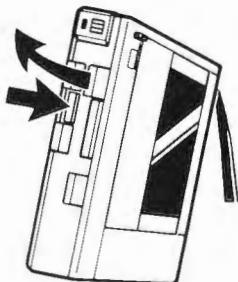
NOTE:

The built-in automatic level control circuit sets automatically the proper recording level – no need to adjust the VOLUME control for proper level.

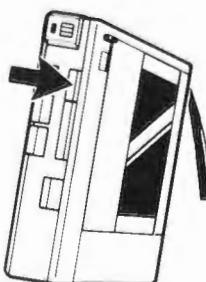
4. Press the PAUSE button to pause while recording. To start again, press the PAUSE button again to release.



5. Backspace the tape by pressing the REWind/REVIEW button to make corrections or to edit. Then the RECORD button will be released automatically. Hold the REWind/REVIEW button until the portion of the recording before the correction point. Release the REWind/REVIEW button and listen to your recording.



At the exact point where the correction is to begin, press the STOP/EJECT button. Press the RECORD button again and proceed with the dictation.



6. Press the STOP/EJECT button to stop recording completely. If the end of the tape is reached while recording, the RECORD and PLAY buttons will be released automatically (and recording stops).

To Record from an External Microphone

Connect an external microphone (not provided) to the MICrophone jack. When the external microphone is connected, the built-in mic is disconnected. If it has an on-off switch for remote control, connect that plug to the REMote jack. Your local Radio Shack store has a number of such mics to choose from, for example, catalog number 33-1060, 33-1040 or 33-1034.



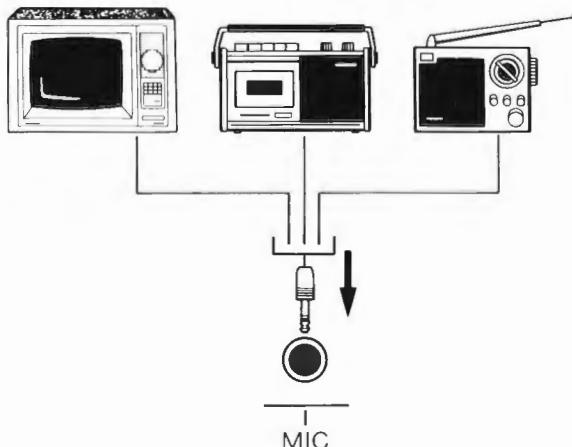
Note: When you plug the microphone, insert till you feel slight "catch". Do not force the plug all the way in.

Proceed with recording as outlined above. If your microphone has a remote control on-off switch, you can turn the recorder on and off with the switch.

When you are done with the recording, press the STOP/EJECT button. Don't turn the unit off and leave it off just with the remote switch. If you do, the capstan remains in constant pressure against the pressure roller, and dimple or flat spot will develop (which produces wavering sound).

To Record from an External Source

You can record from a tuner, radio or TV sound. Obtain a dubbing cord such as our 42-2152 or 42-2461 and make connection between the MICrophone jack on the top of your unit and earphone jack or tape out jack of the external tuner, radio etc. Then proceed with recording as outlined above.



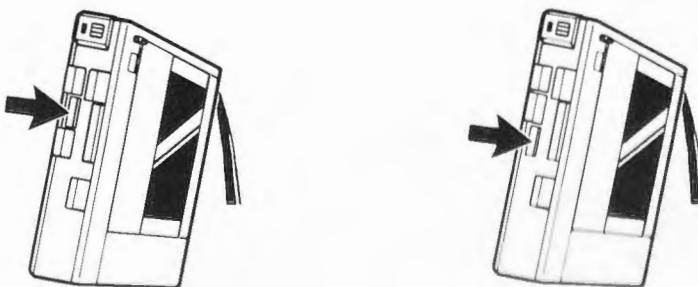
Review(Rewind) and Cue(Fast Forward)

An extremely useful feature of the MINISETTE 14 is its ability to review and cue.

If you want to locate a particular portion of the tape rapidly, and you are in the play mode, there is no need to release the PLAY button – just press the REWind/REVIEW button. Release and you're playing the tape. Need to rewind more? Just hold down REWind/REVIEW button a little longer; release to play again.

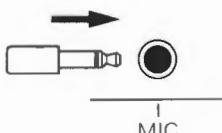
You can use FAST Forward/CUE in the same manner to cue the tape. For example, to rapidly find the end of a partially recorded tape; leave the PLAY button pressed down and just press FAST Forward/CUE button to advance the tape rapidly. Release to listen; and repeat as often as required.

You can use both of these features even while recording. Thus, if you want to go back to review and re-record, press the REWind/REVIEW button. The RECORD button pops up, but the PLAY button remains down. Then when you release the REWind/REVIEW button, playback starts immediately. You can also use FAST Forward/CUE to advance the tape, without stopping the tape.



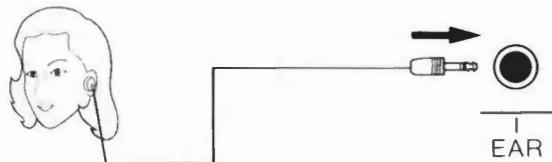
To Erase a Recording

If you do want to erase a cassette, or just a portion of a recording, insert the special dummy plug (provided) into the MICrophone jack. Then, operate the MINISETTE 14 as though you were recording. As the tape moves, it is erased (no sound pick up from MICrophone when using this dummy plug). Use the tape counter to make sure you erase the right portion!



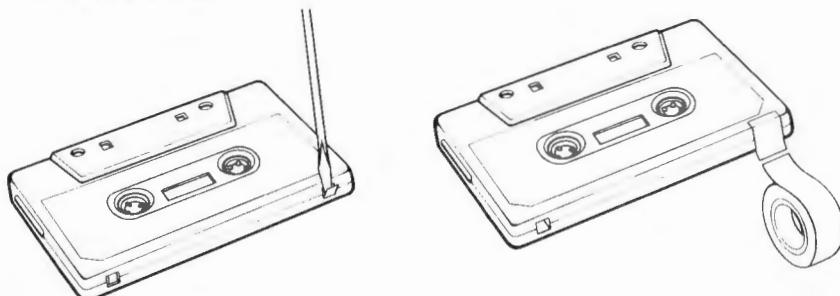
Listening through an Earphone or External Speaker

You can use the earphone (provided) for private listening. Just plug it into the EARphone jack on the top. This disconnects the internal speaker automatically. You can use an external speaker or a pillow speaker connected to this jack.



Accidental Erasure Prevention

Cassettes have a built-in device to automatically prevent erasure of a previous recording. It is a small plastic tab at the back of the cassette. To activate the erase-protect feature, break off the plastic tab with a screwdriver. There is a tab for each side; be sure you break off the correct one. If you want to record again on that cassette, just put a piece of tape over the hole where you broke off the tab.



CAUTION:

If you have loaded a cassette with the tabs broken off, don't try to force the RECORD button down. You can damage a part of the mechanism by forcing the RECORD button.

MAINTENANCE

Your unit uses conservatively rated parts. It requires little if any service or repair — if you treat it with care.

Don't expose it to hot or cold temperature extremes.

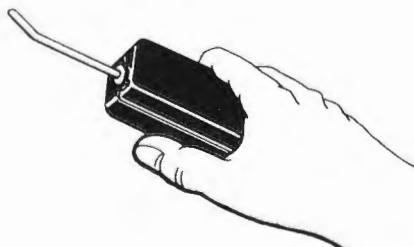
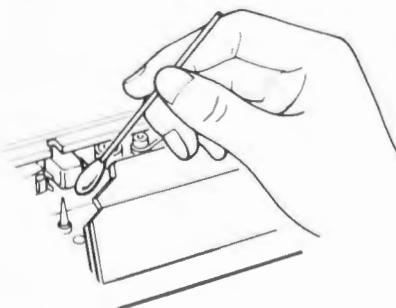
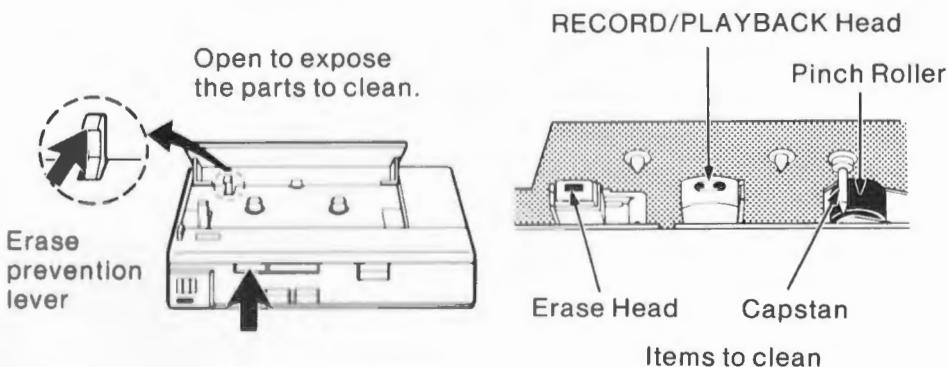


And don't use it in areas of excessive dust or dirt.

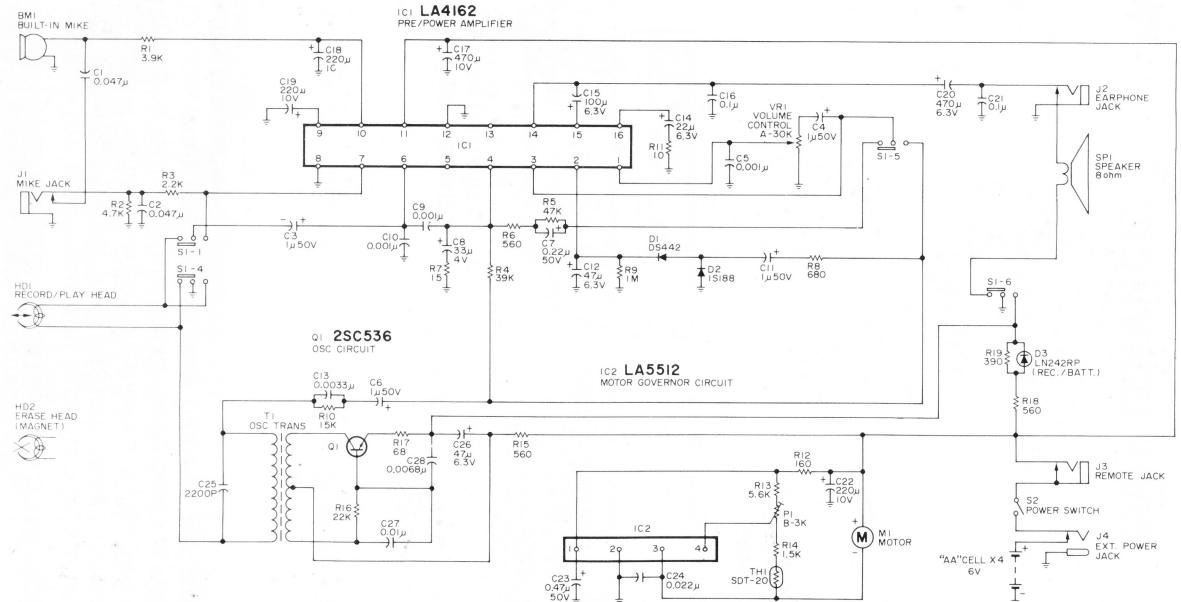
Periodically clean the tape head and tape handling parts with cotton tips (Radio Shack Catalog Number 44-1093) and head cleaner (44-1010). Or, much easier, use a cassette head cleaner cartridge (44-1160). It is absolutely vital that you keep the head and tape handling parts clean or you'll end up with tape wrap-ups (which may damage the tape), distortion and poor frequency response.

Remove the batteries.

Press the RECORD button while pushing the erase-prevention lever located inside the cassette compartment. This will expose the parts you need to clean.



You should periodically demagnetize the tape head too. Use one of our tape head demagnetizers.



Schematic subject to change without notice. For most accurate Schematic (and parts) contact Radio Shack. National Parts Dept., Fort Worth, TX 76101

In UK, contact Tandy Electronics, National Parts Dept., Bilton Road Wednesbury West Midlands WS10 7JN

In Australia, contact Tandy Corporation (Australian Branch) National Parts Dept., 91 Kurrajong Avenue Mount Druitt, N.S.W. 2770

RADIO SHACK, A DIVISION OF TANDY CORPORATION

U.S.A.: FORT WORTH, TEXAS 76102
CANADA: BARRIE, ONTARIO L4M 4W5

TANDY CORPORATION

AUSTRALIA
91 KURRAJONG AVENUE
MOUNT DRUITT, N.S.W. 2770

BELGIUM
PARC INDUSTRIEL DE NANINNE
5140 NANINNE

U. K.
BILSTON ROAD WEDNESBURY
WEST MIDLANDS WS10 7JN